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(54) PERMSELECTIVE MEMBRANE

(57) Abstract:

PURPOSE: To provide a permselective membrane for selectively separate and concentrating oxygen in the air, constituted of a polymer consisting a polyamine component prepared by containing two kinds of specific polyamine compounds in a predetermined ratio and an isocyanate component.

CONSTITUTION: A polyamine compound I represented by formula I (wherein R₁, R₂, R₁₁ and R₁₂ are a hydrogen atom or an 1W10C hydrocarbon group, R₃ and R₄ are a hydrogen atom or a 15C or less hydrocarbon group which may have an amino group and R₅, R₆, R₇, R'₇, R₈, R'₈, R₉, R₁₃, R₁₄, R₁₅, R'₁₅, R₁₆ and R'₁₆ are a 20C or less hydrocarbon group of a fluorinated hydrocarbon group) and a polyamine compound II represented by formula II are prepared. A polyamine component prepared by containing both compounds I, II in such a mol ratio that polyamine compound I/(polyamine compound I + polyamine compound II) is 1W0.1 is reacted with polysiocyanate having a plural-

ity of isocyanate groups to form a siloxane-containing polyurea polymer. Oxygen in the air is separated and concentrated by the membrane comprising this polymer.

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